S/109/62/007/009/005/018
D409/D301

AUTHORS: Gor'kov, V.A., Yelinson, M.I., and Yakovleva, G.D.

TITLE: Theoretical and experimental investigation of pre-arc effects in field emission

PERIODICAL: Radiotekhnika i elektronika, no. 9, v. 7, 1962, 1501 - 1510

TEXT: A more advanced theory of the vacuum arc is developed which takes into account the temperature dependence of the parameters of the emitter and is adequate for a wider range of variation of the geometrical parameters of the emitter. The heat-balance equation for conical emitters is derived. After transformations, this equation becomes

$$\frac{\partial^2 T}{\partial r^2} + \frac{2}{r} \frac{\partial T}{\partial r} - \varphi_1(T) \frac{\partial T}{\partial t} - \varphi_2(T) \frac{1}{r} + \varphi_3(T) \frac{1}{r^4} = 0, \qquad (7)$$

where φ_1 is related to the specific heat, φ_2 to the radiation coefficient, and φ_3 to the current intensity and resistivity; r denotes

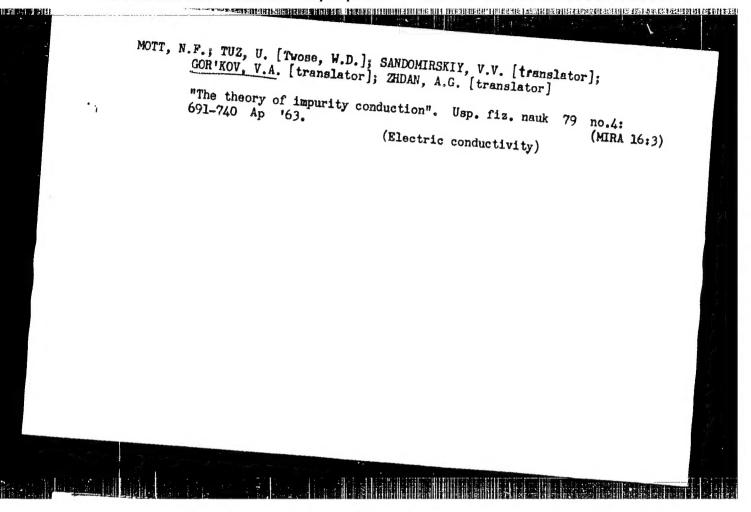Card 1/3

Theoretical and experimental ...
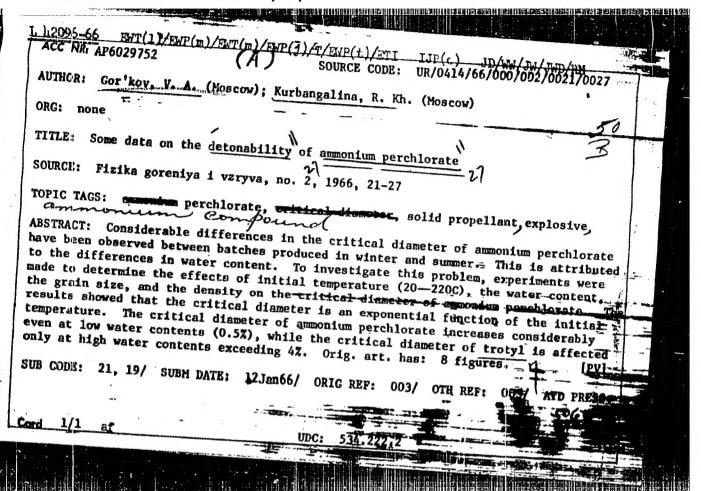
S/109/62/007/009/005/018
D409/D301

the emitter radius. Equation (7) was solved by numerical methods. The dependences $T = f(t)$ and $T = f(r)$ were calculated for various values of I; thereby the parameter θ (the semiangle of the emitter cone), assumed the following values: 5; 15; 25; 35 and 45°. The current density j equalled $2 \cdot 10^8$ A/cm². The above theoretical considerations were compared with experiment. The theoretical and experimental curves were in good qualitative agreement; the quantitative discrepancies are apparently due to various factors which are not taken into account by theory (the damping effect of the space charge, the use of the mean current-density instead of the actual current density, etc.). The theoretical calculations for small semiangles α ($< 30°$), are qualitatively in agreement with the results of W.P. Dyke a. oth., (Ref. 1: Phys. Rev., 1953, 91, 5, 1043). For values of $\alpha > 30°$, the authors obtained a stronger dependence of the critical current-density j_{crit} on α. The theoretical and experimental curves $j_{crit} = \varphi(\alpha)$ and $j = \varphi(t)$ with U = const., were in good agreement. No use of self-heating effects can be made, in view of the instability of the processes involved. In practice, it is most convenient to use emitters with large semiangle ($\alpha = 90°$ and

Card 2/3

Theoretical and experimental ...   S/109/62/007/009/005/018
                                                    D409/D301
above). Such cathodes have great stability in the "vacuum" arc,
small emission-angles and considerable operating current-densities.
There are 10 figures.

SUBMITTED: January 12, 1962

Card 3/3

MOTT, N.F.; TUZ, U. [Twose, W.D.]; SANDOMIRSKIY, V.V. [translator];
GOR'KOV, V.A. [translator]; ZHDAN, A.G. [translator]

"The theory of impurity conduction". Usp. fiz. nauk 79 no.4:
691-740 Ap '63.

(Electric conductivity)   (MIRA 16:3)

L 42095-66   EWT(1)/EWP(m)/EWT(m)/EWP(j)/T/EWP(t)/ETI   IJP(c)   JD/WW/JW/JWD/WW

ACC NR: AP6029752   SOURCE CODE: UR/0414/66/000/002/0021/0027

AUTHOR: Gor'kov, V. A. (Moscow); Kurbangalina, R. Kh. (Moscow)

ORG: none

TITLE: Some data on the detonability of ammonium perchlorate

SOURCE: Fizika goreniya i vzryva, no. 2, 1966, 21-27

TOPIC TAGS: ammonium perchlorate, critical diameter, solid propellant, explosive, ammonium Compound

ABSTRACT: Considerable differences in the critical diameter of ammonium perchlorate have been observed between batches produced in winter and summer. This is attributed to the differences in water content. To investigate this problem, experiments were made to determine the effects of initial temperature (20—220C), the water content, the grain size, and the density on the critical diameter of ammonium perchlorate. The results showed that the critical diameter is an exponential function of the initial temperature. The critical diameter of ammonium perchlorate increases considerably even at low water contents (0.5%), while the critical diameter of trotyl is affected only at high water contents exceeding 4%. Orig. art. has: 8 figures.   [PV]

SUB CODE: 21, 19/ SUBM DATE: 12Jan66/ ORIG REF: 003/ OTH REF: 004/ ATD PRESS:

Card 1/1   af   UDC: 534.222.2

GOR'KOV, V.K.

Irregularity in the running of the loom. Izv.vys.ucheb.zav.;
tekh.tekst.prom. no.2:84-91 '63.
                                                    (MIRA 16:6)

1. Ivanovskiy tekstil'nyy institut imeni M.V.Frunze.
                        (Looms)

GOR'KOV, V.K.

Speeding up of the shuttle in the start of the loom form the
picking position. Izv. vys. ucheb. zav.; tekh. teks. prom.
no.3:86-91 '64.
(MIRA 17:10)

1. Ivanovskiy tekstil'nyy institut imeni Frunze.

GORDEYEV, Vasiliy Aleksandrovich; GOR'KOV, V.K., kand. tekhn. nauk, retsenzent; ISAKOV, N.P., kand. tekhn. nauk, retsenzent; SIDOROV, Yu.P., kand. tekhn. nauk, retsenzent; AGADZHANOVA, I.A., red.;

[Dynamics of the mechanisms for warp releasing and tensioning in looms] Dinamika mekhanizmov otpuska i natiazheniia osnovy tkatskikh stankov. Moskva, Legkaia industriia, 1965. 223 p.

(MIRA 18:10)

43924
S/188/62/000/006/006/016
B187/B102

AUTHOR: Gor'kov, V. P.

TITLE: The dispersion relation for the ordinary wave with
consideration of the wave magnetic field

PERIODICAL: Moscow. Universitet. Vestnik. Seriya III. Fizika,
astronomiya/ no. 6, 1962, 28-31

TEXT: When waves are propagated in a uniform unbounded plasma placed in a
field $\vec{H}_o$, the frequency ω and the propagation constant k are interrelated
by a dispersion relation resulting from the Maxwell equations and from the
kinetic equation. In general, the electron distribution is assumed to be
Maxwellian. This paper starts with an arbitrary electron distribution
$f_o(v,u)$ where v is the transverse component, u is the longitudinal
component of the electron velocity with reference to $\vec{H}_o$. In the general
dispersion relation for the ordinary wave propagating transversely to $\vec{H}_o$,
the term accounting for the effect of the magnetic field vanishes when the

Card 1/3

The dispersion relation for the...   S/188/62/000/006/006/016
                                                      B187/B102

velocity distribution is isotropic: $f_0(v,u) = f_0(v^2 + u^2)$. In this case, the dispersion relation is

$$G(k,\omega) = k^2 - \frac{\omega^2}{c^2} - \frac{\omega\omega_0^2}{\omega_H c^2} \, 2\pi \int\limits_0^{+\infty}\int\limits_{-\infty}^{+\infty} f_0 \times$$

$$\times \sum_{n=-\infty}^{+\infty} \frac{I_n^2\left(\frac{kv}{\omega_H}\right)}{n - \frac{\omega}{\omega_H}} \, v\, dv\, du = 0. \qquad (2)$$

$\omega_H = \dfrac{eH_0}{mc}$ is the Larmor frequency, $\omega_0 = \sqrt{\dfrac{4\pi Ne^2}{m}}$ is the plasma frequency of the electrons, ϑ is the polar angle in velocity space ($z \| \vec{H}_0$, ϑ counted from the x-axis), $I_n(kv/\omega_H)$ are Bessel functions. By means of the principle of the argument (Cauchy integral theorem in the theory of

Card 2/3

The dispersion relation for the...   S/188/62/000/006/006/016
                                            B187/B102

functions) it is shown that $G(k,\omega)$ for any given real k has no complex solutions $\omega(k)$ and that a real solution exists in every interval $(n\omega_H, (n+1)\omega_H)$, where n is a natural number. This holds true also for a non-isotropic distribution if $f_0(v,u)$ is a monotonically decreasing function with respect to the variable v. If this restriction upon f_0 is not fulfilled, then it is not possible to make any general statements as to the kind of solutions, owing to the method used here.

ASSOCIATION: Kafedra statisticheskoy fiziki i mekhaniki (Department of Statistical Physics and Mechanics)

SUBMITTED: March 16, 1961

Card 3/3

GOR'KOV, Yu.A.; CHERNIN, K.Ye.; BITYUTSKOV , R.S.; KUROSH, A.G.,
glavnyy red.; BITYUTSKOV, V.I., red.; BOLTYANSKIY, V.G., red.;
DYNKIN, Ye.B., red.; SHILOV, G.Ye., red.; YUSHKEVICH, A.P.,
red.; AKHLAMOV, S.N., tekhn.red.

[Forty years of mathematics in the U.S.S.R., 1917-1957; in two
volumes] Matematika v SSSR za sorok let, 1917-1957; v dvukh
tomakh. Moskva, Gos.izd-vo fiziko-matem.lit-ry. Vol.2.
[Biobibliography] Biobibliografiia. 1959. 819 p. (MIRA 12:9)
                (Mathematicians)

PISKUNOV, Nikolay Semenovich; KEPPERN, I.V., red.; GOR'KOV, Yu.A.,
   red.

   [Differential and integral calculi for institutions of higher
   technical education] Differentsial'noe i integral'noe ischi-
   sleniia dlia vtuzov. Izd.5. Moskva, Izd-vo "Nauka," Vol.2.
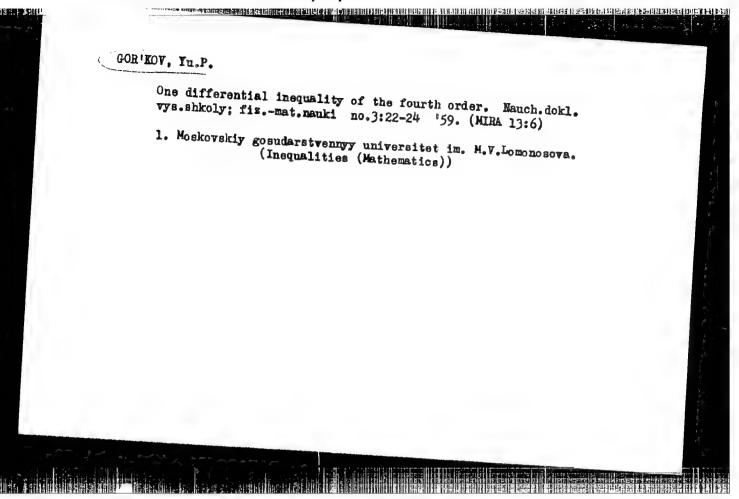   1964. 312 p.   (MIRA 17:5)

PISKUNOV, Nikolay Semenovich; KEPPEN, I.V., red.; GOR'KOV, Yu.A.,
     red.

[Differential and integral calculi for technical school
of higher education] Differentsial'noe i integral'noe
ischisleniia dlia vtuzov. Izd.6. Moskva, Nauka, Vol.2.
1965. 312 p.   (MIRA 18:5)

PISKUNOV, Nikolay Semenovich; KEPEN, I.V., red.; GOR'KOV, Yu.A.,
    red.

    [Differential and integral calculi for schools of higher
    technical education] Differentsial'noe i integral'noe
    ischisleniia dlia vtuzov. Moskva, Nauka. Vol.1. Izd.6.
    1965. 548 p.   (MIRA 18:4)

GNEDENKO, Boris Vladimirovich; GOR'KOV, Yu.A., red.

[Course in probability theory] Kurs teorii ve rsi-
nostei. Moskva, Nauka, 1965. 400 p.   (MIR   ri:t)

EL'SGOL'TS, Lev Ernestovich; GOR'KOV, Yu.A., red.

[Differential equations and the calculus of variations]
Differentsial'nye uravneniia i variatsionnoe ischisle-
nie. Moskva, Nauka, 1965. 424 p. (Kurs vysshei matema-
tiki i matematicheskoi fiziki, no.3)   (MIRA 19:1)

GOR'KOV, Yu.P.

One differential inequality of the fourth order. Nauch.dokl.
vys.shkoly; fiz.-mat.nauki no.3:22-24 '59. (MIRA 13:6)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Inequalities (Mathematics))

ACCESSION NR: AP4042777   S/0020/64/157/003/0509/0512

AUTHOR: Gor'kov, Yu. P.

TITLE: On the behavior of the solutions of boundary problems
for the quasilinear parabolic equation as t approaches infinity

SOURCE: AN SSSR.   Doklady*, v. 157, no. 3, 1964, 509-512

TOPIC TAGS: boundary problem, parabolic equation, existence
theorem, Cauchy problem

ABSTRACT: The behavior of the solution of the parabolic equation

$$Lu \equiv \frac{D}{Dx} f(x, u, u_x) - a(x, t, u, u_x) \frac{\partial u}{\partial t} = 0 \qquad (1)$$

(D/Dx denote total differentiation with respect to x) is investi-
gated as $t \to \infty$ for the boundary problem

$$u(x, 0) = u_0(x), \quad u(0, t) = 0, \quad u_x(l, t) = A_0, \qquad (2)$$

1/3

ACCESSION NR: AP4042777

and also for the first boundary problem

$$u(x, 0) = u_0(x), \quad u(0, t) = \varphi_1(t), \quad u(l, t) = \varphi_2(t) \qquad (3)$$

under the condition that $\varphi_i(t) \rightarrow \varphi_i^0$ as $t \rightarrow \infty$ $(i = 1, 2)$. It is assumed further that for all u and p, and for

$$(x, t) \in D \ \{0 < x < l, 0 < t < \infty\}$$

the following conditions are satisfied:

$$\frac{\partial f(x, u, p)}{\partial p} > \alpha > 0, \qquad (4)$$

$$0 < a(x, t, u, p) < \gamma_1(x, u, p), \qquad (5)$$

where α is a constant and $\gamma_1(x, u, p)$ is some continuous function. An existence theorem is proved for the boundary problem (1), (2) under certain restrictions. The function to which the solution tends uniformly is defined. A sufficiency condition for the existence of the solution is stated. "I am grateful to my scientific

2/3

ACCESSION NR: AP4042777

adviser A. M. Il'in for suggesting the problem and for interested guidance of the work." Orig. art. has: 14 formulas.
Presented by Academician I. G. Petrovskiy.
ASSOCIATION: Ural'skiy gosudarstvenny*y universitet im. A. M.
Gor'kogo (Ural State University)

SUBMITTED: 04Mar64

SUB CODE: MA

NR REF SOV: 003

ENCL: 00

OTHER: 001

3/3

GOR'KOVA, A.A

ANDERS, Vasiliy Rudol'fovich; GOR'KOVA, A.A., vedushchiy red.; TROFIMOV,
A.V., tekhn.red.

[Control and measuring instruments; an introductory course]
Kontrol'no-izmeritel'nye pribory; vvodnyi kurs. Moskva, Gos.
nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1953. 143 p.
        (Petroleum industry)
        (Automatic control)   (MIRA 11:2)

NIKITIN, Viktor Aleksandrovich; GOR'KOVA,A.A., redaktor; KLEYMENOVA,K.F., redaktor; TROFIMOV,A.V., tekhnicheskiy redaktor

[Pressure measurement and specialized instruments for oil and gas refineries] Izmerenie davleniia i pribory spetsial'nogo naznacheniia v neftegazopererabotke. Moskva, Gos.nauchno-tekhn.izd-vo neftianoi i gorno-toplivnoi lit-ry, 1955. 255 p.   (MIRA 9:3)
     (Petroleum--Refining)(Petroleum industry--Equipment and supplies)

GOR'KOVA, A.A.

ANDERS, Vasiliy Rudol'fovich; SHCHEPKIN, S.I., prof., retsenzent; NEMTSOV,
N.Yu., kand.tekhn.nauk, retsenzent; GOR'KOVA, A.A., vedushchiy red.;
TROFIMOV, A.V., tekhn.red.

[Control and measuring devices; introductory course] Kontrol'no-
izmeritel'nye pribory; vvodnyi kurs. Moskva, Gos.nauchno-tekhn.
izd-vo neft.i gorno-toplivnoi lit-ry, 1958. 143 p.   (MIRA 11:1)
(Measuring instruments)

A A

KUZMAK, Ye.M., prof. doktor tekhn. nauk, red.; TARAN , V.D.,prof., doktor tekhn. nauk, red.; ZHIGACH, K.F., prof.,red.; MURAV'YEV, I.M., prof.,red.; TIKHOMIROV,A.A., kand. ekon. nauk, red.; YEGOROV, V.I., kand. ekon. nauk, red.; CHARYGIN, M.M., prof., red.; DUNAYEV, F.F., prof., red.; CHERNOZHUKOV, N.I., prof., red.; CHARNYY,I.A., prof., red.; PANCHENKOV, G.M., prof., red.; DAKHNOV, V.N., prof., NAMETKIN, N.S., doktor khim. nauk, red.; ALMAZOV, N.A., dots., VINOGRADOV, V.N., kand.tekhn. nauk, red.; BIRYUKOV, V.I., kand. tekhn. nauk, red.; TAGIYEV, E.I., red.; GUREVICH, V.M., red.; GOR'KOVA, A.A., ved. red.; FEDOTOVA, I.G., tekhn. red.

[Proceedings of the conference of technical schools on the problems of new equipment for the petroleum industry] Mezhvuzovskoe soveshchanie po voprosam novoi tekhniki v neftianoi promyshlennosti. 1958. materialy... Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno- toplivnoi lit-ry. Vol. 3. [Manufacture of petroleum industry equipment] Neftianoe mashinostroenie. 1958. 222 p. (MIRA 11:11)
(Petroleum industry--Equipment and supplies)

SHAPIRO, Ye.A.; ZHUKOVSKIY, Ye.S.; MUSTAFABEKOVA, A.A.; MIKHAYLOV, N.D.;
KOBYLYANSKIY, A.K.; KOHONYKHIN, A.G.; EPSHTEYN, R.R.; KARPINSKIY,
V.F.; DAVYDOVA, R.T.; TROITSKIY, V.I., red.; GOR'KOVA, A.A.,
vedushchiy red.; FEDOTOVA, I.G., tekhn.red.

[Establishing standards for material consumption and stocks in the
petroleum industry] Normirovanie raskhoda i proizvodstvennykh
zapasov osnovnykh materialov v neftianoi promyshlennosti. Moskva,
Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1959.
252 p.
(MIRA 12:12)

(Petroleum industry--Standards)

PANTAYEV, Nikolay Fedorovich; DIANOV, Vladimir Gavrilovich; GOR'KOVA,
A.A., vedushchiy red.; MUKHINA, E.A., tekhn.red.

[Automation in the petroleum industry; elements of the theory
and automatic controllers] Avtomaticheskoe regulirovanie v
neftianoi promyshlennosti; elementy teorii i avtoreguliatory.
Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry,
1959. 287 p. (MIRA 13:2)
(Petroleum industry) (Automatic control)

ISAKOVICH, Roman Yakovlevich; MAMIKONOV, A.G., dotsent, kand.tekhn.nauk,
        retsenzent; GOR'KOVA, A.A., vedushchiy red.; TROFIMOV, A.V.,
        tekhn.red.

        [Instruments and automation of petroleum production] Kontrol'
        i avtomatizatsiia dobychi nefti. Moskva, Gos.nauchno-tekhn.
        izd-vo neft. i gorno-toplivnoi lit-ry, 1959. 398 p.
                                                         (MIRA 13:1)
                (Oil fields--Production methods)
                    (Automatic control)

IVANKOV, Pavel Aleksandrovich; GOR'KOVA, A.A., vedushchiy red.;
POLOSINA, A.S., tekhn.red.

[Automatic control of deep-well pump installations] Avto-
matizatsiia glubinnonasosnykh ustanovok. Moskva, Gos.nauchno-
tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1960. 125 p.
(MIRA 13:12)

(Oil well pumps)   (Automatic control)

ZAVELEV, Gerasim Il'ich, kand.tekhn.nauk; GOR'KOVA, A.A., vedushchiy red.;
MUKHINA, E.A., tekhn.red.

[Nemetallicheskie futerovki dlia apparatury neftianoi i nefte-
khimicheskoi promyshlennosti. Moskva, Gos.nauchno-tekhn.izd-vo
neft. i gorno-toplivnoi lit-ry, 1960. 149 p.   (MIRA 13:3)
        (Petroleum refineries—Equipment and supplies)
        (Protective coatings)   (Reinforced concrete)

SINEL'NIKOV, Aleksandr Vasil'yevich; GOR'KOVA, A.A., ved. red.;
      MUKHINA, E.A., tekhn. red.

      [Means of automatic control of oil and gas well drilling]
      Avtomatizatsiia i sredstva kontrolia bureniia neftianykh
      i gazovykh skvazhin. Moskva, Gostoptekhizdat, 1960. 366 p.
                                              (MIRA 16:5)

       (Oil well drilling) (Automatic control)

STREYTS, Vladimir [Strejc, Vladimir], inzh.; SHALAMON, Miroslav [Salamon,
Miroslav], inzh., doktor; KOTEK, Zdenek, inzh., kand.tekhn.nauk;
BALDA, Milan, dotsent, inzh., kand.tekhn.nauk; GOL'DENBERG, G.M.,
inzh. [translator]; SIMOYU, M.P., inzh., red.; GOR'KOVA, A.A.,
vedushchiy red.; TROFIMOV, A.V., tekhn.red.

[Fundamentals of the theory of automatic control] Osnovy teorii
avtomaticheskogo regulirovaniia. Moskva, Gos.nauchno-tekhn.izd-vo
neft. i gorno-toplivnoi lit-ry, 1960. 332 p.   Translated from
the Czech.   (MIRA 13:6)
          (Automatic control)

SINEL'NIKOV, Aleksandr Vasil'yevich; GOR'KOVA, A.A., vedushchiy red.;
      MUKHINA, E.A., tekhn.red.

      [Automatic control of well drilling, its method and equipment]
      Avtomatizatsiia i sredstva kontrolia bureniia neftianykh i
      gazovykh skvazhin. Moskva, Gos.nauchno-tekhn.izd-vo neft. i
      gorno-toplivnoi lit-ry, 1960. 366 p.   (MIRA 14:1)
         (Oil well drilling)   (Automatic control)

DENISOV, Sergey Sergeyevich; GOR'KOVA, A.A., vodushchiy red.; MUKHINA,
E.A., tekhn.red.

[Electronic devices for control and automation in the petroleum
refining industry] Elektronnye pribory kontrolia i avtomati-
zatsii neftekhimicheskogo proizvodstva. Izd.2., perer. i dop.
Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry,
1960. 474 p.   (MIRA 13:11)
          (Petroleum industry--Electric equipment)
             (Automatic control)

ANISIMOV, Igor' Vasil'yevich; GOR'KOVA, A.A., ved. red.; POLOSINA. A.S., tekhn. red.

[Automatic control of rectification processes] Avtomaticheskoe re-gulirovanie protsessa rektifikatsii. 2., izd. dop. Moskva, Gos. nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 179 p.
(MIRA 14:12)

(Automatic control)   (Distillation)

TOPCHIYEV, A.V., akademik, red.; BABUSHKINA, S.I., ved. red.; GOR'KOVA, A.A., ved. red.; YENISHERLOVA, O.M., ved. red.; YEFREMOVA, T.D., ved. red.; LEVINA, Ye.S., ved. red.; TITSKAYA, B.F., ved. red.; VORONOVA, V.V., tekhn. red.

[Reports of the International Petroleum Congress, 5th. New York, 1959] Doklady V Mezhdunarodnogo neftianogo kongressa, New York, 1959. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry. Vol.4. [Transportation, quality, and use of petroleum products] Transport, kachestvo i primenenie nefteproduktov. 1961. 398 p.
(MIRA 14:9)

1. International Petroleum Congress, 5th. New York, 1959.
(Petroleum products)

BORISOV, Sergey Dmitriyevich; GOR'KOVA, A.A., ved. red.; POLOSINA,
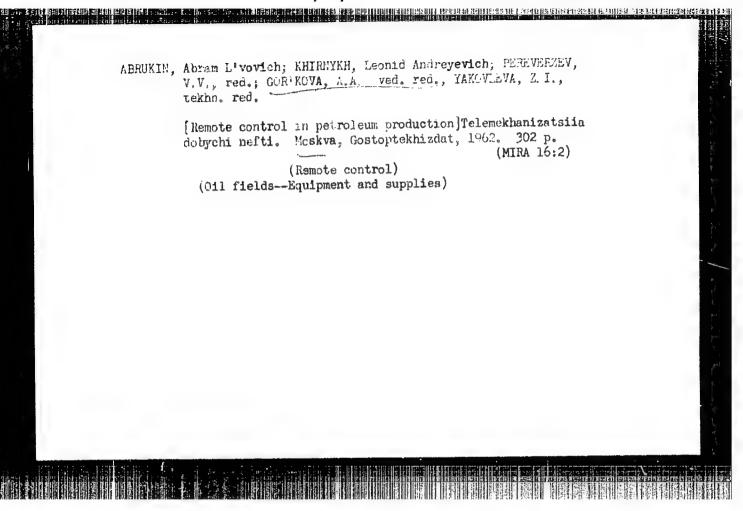   A.S., tekhn. red.

[Underground storage of gas; from the practice of the
Kuybyshev Economic Council] Podzemnoe khranenie gaza; iz
opyta raboty Kuibyshevskogo sovnarkhoza. Moskva, Gostop-
tekhizdat, 1962. 111 p.   (MIRA 15:3)
                    (Gas--Storage)

FARKHADOV, Azizaga Aliagayevich, doktor tekhn.nauk; NEGREYEV, V.F.,
    red.; GOR'KOVA, A.A., ved. red.; POLOSINA, A.S., tekhn. red.

[Cathodic protection of steel structures against corrosion in
sea water]Katodnaia zashchita ot korrozii stal'nykh sooruzhe-
nii v morskoi vode. Moskva, Gostoptekhizdat, 1962. 249 p.
                                                (MIRA 15:9)
    (Cathodic protection) (Hydraulic structures—Corrosion)

ABRUKIN, Abram L'vovich; KHIRNYKH, Leonid Andreyevich; PEREVERZEV,
V.V., red.; GOR'KOVA, A.A. ved. red., YAKOVLEVA, Z.I.,
tekhn. red.

[Remote control in petroleum production]Telemekhanizatsiia
dobychi nefti. Moskva, Gostoptekhizdat, 1962. 302 p.
(MIRA 16:2)
(Remote control)
(Oil fields--Equipment and supplies)

FROTOMOV, Aleksey Ivanovich; GOR'KOVA, A.A., ved. red.; VOROTOVA, V.V., tekhn. red.

[Technical equipment for the commpressor stations of gas pipelines and its operation]Tekhnologicheskoe oborudovanie kompressornykh stantsii magistral'nykh gazoprovodov i ego ekspluatatsiia. Moskva, Gostoptekhizdat, 1962. 326 p.
(MIRA 15:10)

(Gas, Natural--Pipelines)   (Compressors)

ISAKOVICH, Roman Yakovlevich; GOR'KCVA, A.A., ved. red.;
    YAKOVLEVA, Z.I., tekhn. red.

[Control and automation of petroleum and gas production]
Kontrol' i avtomatizatsiia dobychi nefti i gaza. Moskva,
Gostoptekhizdat, 1963. 354 p.   (MIRA 16:12)
    (Petroleum production) (Natural gas) (Automatic control)

MELIK-SHAKHNAZAROV, Aleksandr Mikhaylovich; ALIYEV, Tofig Mamedovich;
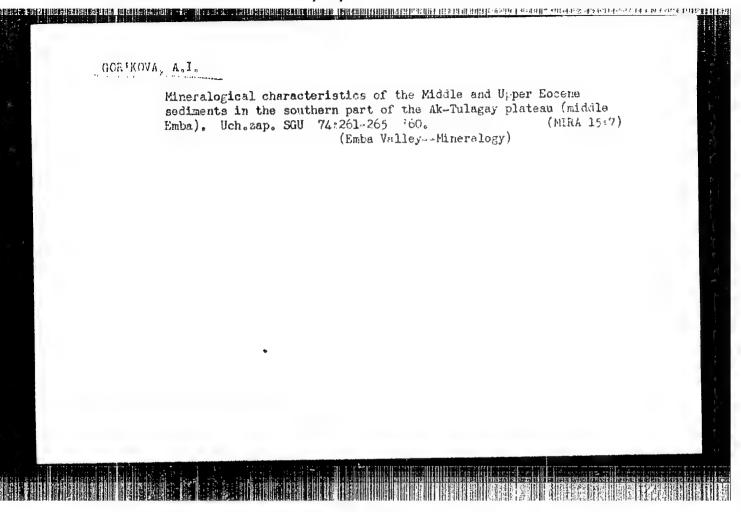GOR'KOVA, A.A., ved. red.

[Instruments and methods for automatic control in the oil
and gas industry] Pribory i sredstva avtomaticheskogo kont-
rolia v neftianoi i gazovoi promyshlennosti. Moskva, Izd-
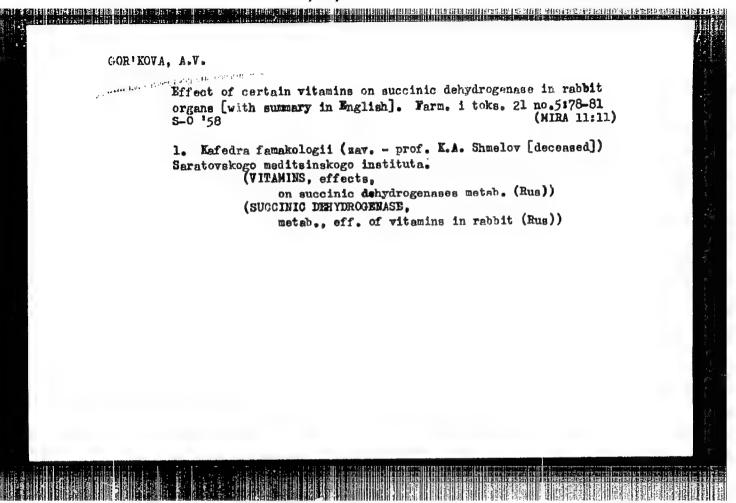vo "Nedra," 1964. 271 p.   (MIRA 17:7)

ANDERS, Vasiliy Rudol'fovich; SMIRNOV, P.F., retsenzent; GOR'KOVA,
A.A., ved. red.; VORONOVA, V.V., tekhn. red.

[Monitoring and automating the refining of oil and gas]
Kontrol' i avtomatizatsiia protsessov pererabotki nefti i
gaza. Moskva, Izd-vo "Nedra," 1964. 390 p.   (MIRA 17:4)

1. Nachal'nik tsekha Kontrol'no-izmeritel'nykh priborov i
avtomatiki zavoda Neftegaz (for Smirnov).

BELASH, Pavel Maksimovich, prof., doktor tekhn. nauk; ZHITKOV, L.A.
dots., retsenzent; GOR'KOVA, A.A., inzh., vedushchiy red.

[Principles of computer engineering] Osnovy vychislitel'noi
tekhniki. Moskva, Nedra, 1964. 329 p.　　(MIRA 18:2

GOR'KOVA, A.I.

Mineralogical characteristics of the Middle and Upper Eocene
sediments in the southern part of the Ak-Tulagay plateau (middle
Emba). Uch.zap. SGU 74:261-265 '60. (MIRA 15:7)
(Emba Valley--Mineralogy)

GOR'KOVA, A.V.

Effect of certain vitamins on succinic dehydrogenase in rabbit
organs [with summary in English]. Farm. i toks. 21 no.5:78-81
S-O '58   (MIRA 11:11)

1. Kafedra famakologii (zav. - prof. K.A. Shmelov [deceased])
Saratovskogo meditsinskogo instituta.
            (VITAMINS, effects,
                on succinic dehydrogenases metab. (Rus))
            (SUCCINIC DEHYDROGENASE,
                metab., eff. of vitamins in rabbit (Rus))

GOR'KOVA, A.V.; GREBNEVA, L.S.

Effect of antituberculosis drugs and of ascorbic acid on the succinic dehydrogenase activity in various organs in rabbits. Farm. i toks 21 no.6:53-56 '58. (MIRA 12:1)

1. Kafedra patologicheskoy fiziologii (zav. - dots. P. Ya. Novorasova) Saratovskogo gosudarstvennogo meditsinskogo instituta.
      (SUCCINIC DEHYDROGENASE,
            metab. in various organs, eff. of anti-tuberc. drugs &
            vitamin C (Rus))
      (VITAMIN C, eff.
            on succinic dehydrogenase metab. in various organs (Rus))
      (TUBERCULOSIS,
            tuberculostatic drugs, eff. on succinic hydrogenase metab.
            (Rus))

GOR'KOVA, A.V., kand.med.nauk

Some changes in the adenosinetriphosphoric acid content and in
succinic dehydrogenase activity of Filatov's flap during its
formation and migration. Ortop.,travm.i protez. 20 no.11:33-36
N '59.   (MIRA 13:4)

1. Iz patofiziologicheskoy laboratorii (zaveduyushchiy - kand.med.
nauk A.V. Gor'kova) Saratovskogo nauchno-issledovatel'skogo instituta
travmatologii i ortopedii (direktor - dotsent Ya.N. Rodin).
            (SKIN TRANSPLANTATION metab.)
            (SUCCINIC DEHYDROGENASE metab.)
            (ADENOSINETRIPHOSPHORIC ACID)

NOVORASOVA, P.Ya.;   FEYGEL'SON, A.S.;   KOROBKOV, G.G.;   GOR'KOVA, A.V.

Influence of cortisone on the growth of experimental tumors.
Trudy Sar. gos. med. inst. 26:72-75 '59.   (MIRA 14:2)

1. Saratovskiy meditsinskiy institut, kafedra patologicheskoy
fiziologii (zav.-sotsent P.Ya. Novorasova).
                (CORTISONE) (TUMORS)

NOVORASOVA, P.Ya.; FEYGEL'SON, A.S.; KOROBKOV, G.G.; GOR'KOVA, A.V.

Change of some biochemical indexes in experimental tumor growth and following treatment with cortisone. Trudy Sar. gos. med. inst. 26:76-80 '59.   (MIRA 14:2)

1. Saratovskiy meditsinskiy institut, kafedra patologicheskoy fiziologii (zav. - dotsent P.Ya. Novorasova).
   (SUCCINIC DEHYDROGENASE) (TUMORS) (CORTISONE)

CHECHOSLOVAKIA

GORKOVA, A.V., MD, director of the Pathophysiological Laboratory;
RUBIN, V.I., MD, Candidate of Sciences, director of the Bio-
chemical Laboratory; BABICHENKO, E.I., MD, Candidate of Sciences,
director of the Clinic of Neurosurgery. Research Institute of
Traumatology and Orthopedics, Docent Dr I.N. RODIN, director,
Saratov, USSR.

"Functional State of the Endocrinal System During Spine In-
juries"

Abstract: A total of 56 patients were investigated. Injuries
were localized as follows: neck spine -11, chest spine - 24,
loin spine - 18, and 3 injuries of conus medullaris and cauda
equina. Functioning of the thyroid gland was examined in 32
cases. Results of examinations showed a substantial reduction
in the percentage of intercepting I^{131} by the thyroid gland in
22 cases, in the rest the percentage remained at the level of
the lower normal limit. The interception speed was also re-
duced. The number of eosinophiles was conspicuously low. It
seems that reduction of activities is connected with phenomena
concerning central and reflexion dampening in the higher portions
of the central nervous system. Reduced hormonal activity may
be a manifestation of the adjustment of post-injury mechanisms.

SUPONITSKAYA, M.A., kand. med. nauk; GOR'KOVA, A.V. (Saratov, ul. Nekrasova, d.28, kv.3)

Some indices of biological evaluation of skin homografts preserved by various methods. Ortop., travm. i protez. 25 no.6:66 Je '64.

(MIRA 18:3)

1. Iz Saratovskogo instituta travmatologii i ortopedii (dir. - dotsent Ya.N. Rodin).
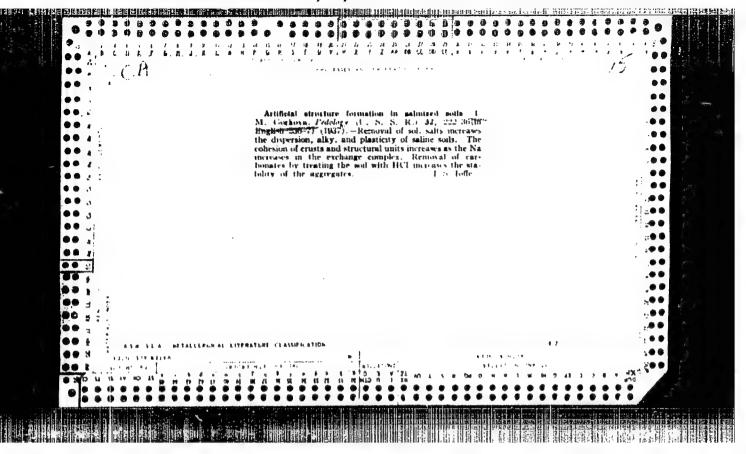
GOR'KOVA, I.M. (Moscow):

"Specific structure and deformation features of sedimentary rocks
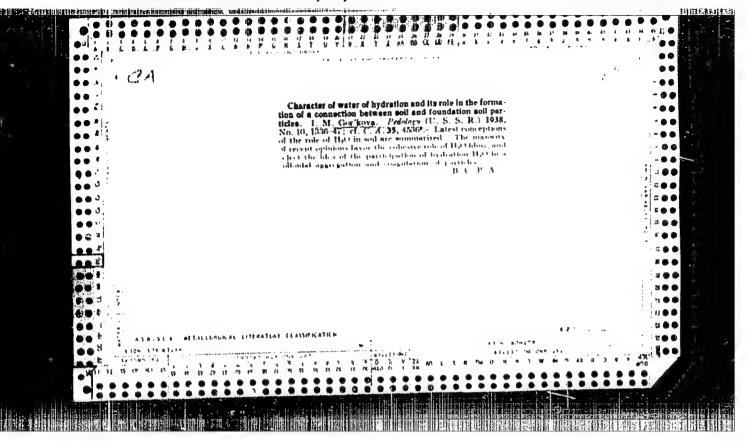at various stages of lithification".

report presented at the 2nd All-Union Congress on Theoretical and Applied
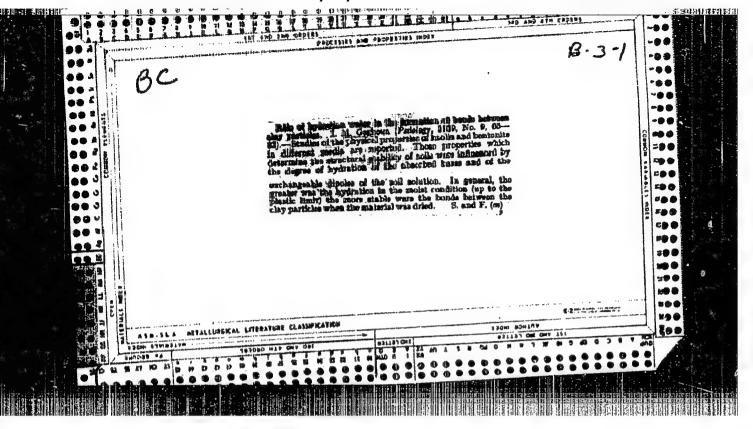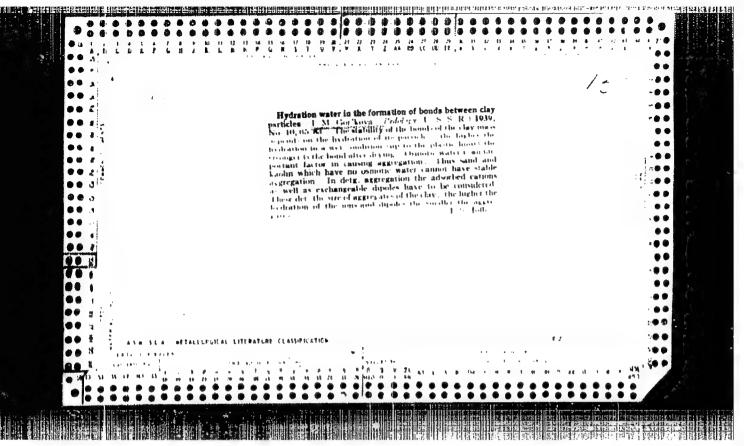Mechanics, Moscow, 29 Jan - 5 Feb 64.

GOL'KOVA, I.M., doktor geol.-miner. nauk; OLLINA, L.A.;
DUSHKINA, N.A.; RY BICHEVA, K.N.

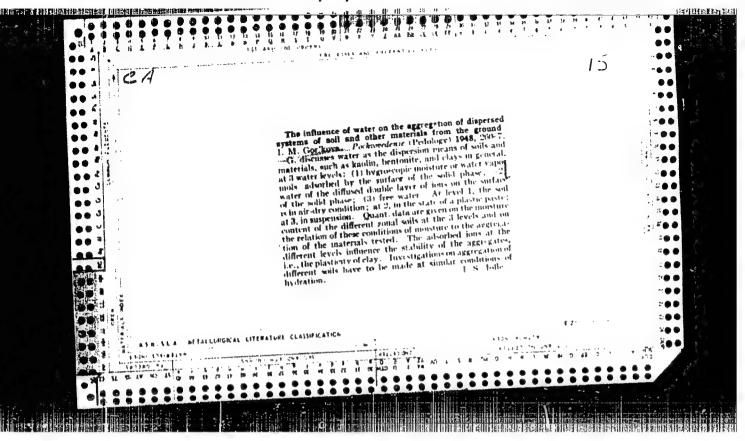[Nature of the strength and deformation properties of
loess] Priroda prochnosti i deformatsionnye osobennosti
lessovykh porod. Moskva, Nauka, 1964. 147 p.
(MIRA 17:11)

Artificial structure formation in salinized soils. I.
M. Gachova. *Pedology* (U. S. S. R.) 32, 222-30 (in
English 230-1) (1937). —Removal of sol. salts increases
the dispersion, alky. and plasticity of saline soils. The
cohesion of crusts and structural units increases as the Na
increases in the exchange complex. Removal of car-
bonates by treating the soil with HCl increases the sta-
bility of the aggregates.   I. N. Ioffe

CA

Character of water of hydration and its role in the formation of a connection between soil and foundation soil particles. I. M. Gor'kova. *Pedology* (U. S. S. R.) 1938, No. 10, 1336-47; cf. C. A. 35, 4536.- Latest conceptions of the role of H_2O in soil are summarized. The present opinions favor the coherent role of H_2O films, and about the idea of the participation of hydration H_2O in a colloidal aggregation and coagulation of particles.

B. C. P. A

BC

B·3-1

Rôle of hydration water in the formation of bonds between clay particles. I. M. Gorkova (Pedolog., USSR, No. 9, 63—68). —Studies of the physical properties of kaolin and bentonite in different media are reported. These properties which determine the structural stability of soils were influenced by the degree of hydration of the absorbed bases and of the exchangeable dipoles of the soil solution. In general, the greater was the hydration in the moist condition (up to the plastic limit) the more stable were the bonds between the clay particles when the material was dried. S. and F. (m)

Hydration water in the formation of bonds between clay particles. I. M. Gor'kova. *Pedology* U S S R 1939, No. 10, 65. — The stability of the bond of the clay mass depends on the hydration of its particle — the higher the hydration in a wet condition up to the plastic limit the stronger is the bond after drying. Osmotic water is an important factor in causing aggregation. Thus sand and kaolin which have no osmotic water cannot have stable aggregation. In detg. aggregation the adsorbed cations as well as exchangeable dipoles have to be considered. These det. the size of aggregates of the clay, the higher the hydration of the ions and dipoles the smaller the aggregation.   J. C. Foll.

A S M   S L A   METALLURGICAL LITERATURE CLASSIFICATION

15

CA

The influence of water on the aggregation of dispersed systems of soil and other materials from the ground I. M. Gorkova. *Pochvovedenie* (Pedology) 1948, No. 7. —G. discusses water as the dispersion means of soils and materials, such as kaolin, bentonite, and clays in general, at 3 water levels: (1) hygroscopic moisture or water vapor mols. adsorbed by the surface of the solid phase; (2) water of the diffused double layer of ions on the surface of the solid phase; (3) free water. At level 1, the soil is in air-dry condition; at 2, in the state of a plastic paste; at 3, in suspension. Quant. data are given on the moisture content of the different zonal soils at the 3 levels and on the relation of these conditions of moisture to the aggregation of the materials tested. The adsorbed ions at the different levels influence the stability of the aggregates, i.e., the plasticity of clay. Investigations on aggregation of different soils have to be made at similar conditions of hydration.   I. S. Joffe

ASM SLA METALLURGICAL LITERATURE CLASSIFICATION

Concentrated disperse systems of soils. I. M. Gor'-kova. Kolloid. Zhur. 11, 63-6(1949). Qual. discussion of the effect of ions and hydration on the mech. properties of soils. — J. J. Bikerman

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

PRIKLONSKIY,V.A., doktor geologo-mineralogicheskikh nauk; GOR'KOVA, I.M.
OKNINA, N.A.; REUTOVA, N.S.; CHEPIK, V.F.; RODIONOV, N.V., redaktor
izdatel'stva; POLYAKOVA, T.V., tekhnicheskiy redaktor.

[Engineering geology characteristics of Khvalynian clays in relation
to their formation (exemplified by some trans-Volga regions]Inzhenerno-
geologicheskie osobennosti Khvalynskikh glinistykh porod v sviazi
s usloviami ikh formirovaniia (na primere nekotorykh raionov Zavolsh'ia).
Moskva, Izd-vo Akademii nauk SSSR 1956. 152 p. (Akademiia nauk SSSR.
Laboratoriia gidrogeologicheskikh problem.Trudy vol.13) (MIRA 10:3)
                         (Clay)

GOR'KOVA, I.M.

Effect of moisture and texture on the change in mechanical properties
of clay rocks. Trudy Lab. gidrogeol.probl. 14:222-232 '57.
                                                    (MIRA 11:5)
        (Clay)

GOR'KOVA, I.M.

Clays and their strength in the light of modern concepts of colloid
chemistry. Trudy Lab. gidrogeol. probl. 15:26-52 '57.
(MIRA 12:12)

(Clay) (Soil mechanics)

GORKOVA, I. M.

"Structural and Mechanical Properties of Some Clay Soils."

paper distributed at the International Clay Mineralogy Congress in Brussels, Belgium'
1 - 5 Jul 58.

Comment: B-3,116,859

SOV-69-20-5-10/23

AUTHOR: Gor'kova, I.M.

TITLE: The Deformation Peculiarities of the Natural and Dispersed
            Structures of Some Clays (Deformatsionnyye osobennosti ye-
            stestvennykh i dispergatsionnykh struktur nekotorykh gli-
            nistykh porod)

PERIODICAL: Kolloidnyy zhurnal, 1958, Vol XX, Nr 5, pp 585-593 (USSR)

ABSTRACT: The structural-mechanical properties of clays of different
            genetic type are studied. The specimens consisted of glau-
            conite, hydro-mica, kaolinite Jurassic and Quaternary sand-
            colloid clays from Moscow and Salekhard. The natural struc-
            ture of the Jurassic clays is distinguished by a relative
            humidity of 0.40, a high yield point of $5.8 \cdot 10^5$ dyn/cm^2,
            a high strength of $1.9 \cdot 10^6$ dyn/cm^2, and a high elastic
            modulus. The coagulation structure formation in the clays
            is effected by the binding of particles as a consequence of
            the spontaneous intermittent thinning of the hydrate-ion
            layers [Ref. 7]. The structure of clays formed by stabil-
            ization, due to hydrate-ions and highly-stable molecular ad-
            sorption layers, cannot be regarded as coagulation structures,
            but as stabilized layers. The study of stabilization and
            coagul tion structures by means of the Volarovich visco-
            simeter [Ref. 9] proved the difference in their deformation

Card 1/2

SOV-69-20-5-10/20

The Deformation Peculiarities of the Natural and Dispersed Structures of
Some Clays

properties.   There are three groups of clays: 1) Liquid-
like clays of the sand-colloid quick-sand type and recent
marine sediments. This group is   characterized by the
coincidence of the rheological curves and the curves for
the dependence of the effective viscosity on the stress
(Figure 4). 2) Clays with loose structure, like ancient
Black Sea and Novoyevksinskiye sediments. They are charac-
terized by large ratio between the initial viscosity and the
viscosity of the destroyed structures. 3) Jurassic clays,
which are the most ancient of the studied specimens. Thixo-
tropy is only weakly developed.
There are 6 graphs, 1 table, and 9 Soviet references.

ASSOCIATION: Laboratoriya gidrogeologicheskikh problem AN SSSR imeni F.P.
Savarenskogo (Laboratory of Hydrogeological Problems of the
USSR Academy of Sciences imeni F.P. Savarenskiy)

SUBMITTED: December 4, 1957

1. Clays--Properties   2. Clays--Deformation   3. Clays--Structural
analysis

Card 2/2

SOV/20-123-2-37/50

3(0)
AUTHOR: Gor'kova, I. M.

TITLE: Structure Formation in Marine Sediments (Strukturoobrazovaniye
               v morskikh osadkakh)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 123, Nr 2, pp 343-345
               (USSR)

ABSTRACT: The study of the process mentioned in the title and of the
               alteration of the sediment properties during diagenesis is of
               direct interest for lithology and Engineering Geology. By such
               a study the muds can be adequately described, and the general
               rules governing the sedimentary rocks can be trought to light.
               The authoress uses the methods cited in references 1 and 2 to
               study the quantitative characteristics of the structural mech-
               anisms and the rheological properties of the marine sediments.
               She has investigated the Quarternary sediments in the Black Sea and
               the Sea of Azov from a depth of 1.5 to 10 m below the ground
               surface. These sediments contain up to 65% of grains less than
               0.001 mm in size, which consist of clay minerals, finely dis-
               persed calcium carbonate, organic substances, colloidal iron
               compounds, and other amorphous mixtures. The bitumen content in

Card 1/3

these sediments is high (up to 40%). Likewise, the portion of the insoluble humin which is firmly cemented with mineralogical components is also high (up to 60%); acid humin constitutes 7-20% of this. The absorption capacity (yemkost' pogloshcheniya) varies between 9 and 23 mg of water per 100 grams of absolutely dry mud. The salt content decreases with depth, from 6-10% to 2%. The high degree of dispersion of the cemented phase and the considerable electrolyte content favor a marked hydrophilic coagulation of the organic-mineralogic materials. These form very spongy, absorptive spatial structures. The moisture content of the upper and organogenic mud horizons reaches 200-300%, calculated on the basis of absolutely dry mud. The sediments studied are typical, young, coagulation structures (Refs 1,2), which are plastificized by organic substances in varying degrees. Figures 1 and 2 show the variation of the structural-mechanical properties with depth. The uppermost horizons have practically identical fluidity, have no pronounced elastic properties, are weakly viscous, and show a weak thixotropic structural recovery. All of these properties appear in the deeper lying sediments (Refs 1,2), and can serve as indications of sediment transformation in sedimentary rocks. The rate of

Card 2/3

Structure Formation in Marine Sediments   SOV/20-123-2-37/50

diagenetic sediment alteration always depends distinctly on their composition and facies conditions. From these investigations, it is concluded that the formation and diagenesis of the sediments studied are typical colloidal-chemical, spontaneous processes of synaeresis structure formation and of natural aging by hydrophilic organic-mineralogic, dispersed systems under the bio-geochemical conditions concerned. There are 2 figures and 2 Soviet references.

ASSOCIATION: Laboratoriya gidrogeologicheskikh problem Akademii nauk SSSR (Laboratory of Hydro-Geologic Problems of the AS USSR)

PRESENTED: June 18, 1958, by P. A. Rebinder, Academician, USSR

SUBMITTED: June 18, 1958

Card 3/3

SOV/11-59-9-12/18

3(4)

AUTHOR: Popov, I.V., Gor'kova, I.M. and Kotlov, F.V.

TITLE: In Memoriam of Viktor Aleksandrovich Priklonskiy

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geologi-
             cheskaya, 1959, Nr 9, pp 96-98 (USSR)

ABSTRACT: This is an obituary notice on Professor V.A.
             Priklonskiy, Corresponding Member of the AS
             USSR, who died on 13 February 1959. The deceased
             was a specialist on hydrogeology and engineering
             geology. He was the director of the Laboratoriya
             gidrogeologicheskikh problem AN SSSR (Laboratory
             of Hydrogeological Problems of the AS USSR).

Card 1/1

GOR'KOVA, I.M.; RYABICHEVA, K.N.

Study of structural and mechanical properties of some clays.
Trudy Lab.gidrogeol.probl. 22:9-40 '59.   (MIRA 13:4)
(Clay) (Soil mechanics)

GOR'KOVA, I.M.; DUSHKINA, N.A.; RYABICHEVA, K.N.

Structural and mechanical properties of silts of the Black Sea and their diagenetic modifications. Trudy Lab.gidrogeol.probl. 22:55-69 '59. (MIRA 13:4)
(Black Sea--Silt) (Soil mechanics)

GOR'KOVA, I.M., nauchnyy sotrudnik; KOROBANOVA, I.G., nauchnyy sotrudnik;
OKNINA, N.A., nauchnyy sotrudnik; REUTOVA, N.S., nauchnyy sotrudnik;
SAFOKHINA, I.A., nauchnyy sotrudnik; CHEPIK, V.F.. nauchnyy sotrudnik;
POPOV, I.V., doktor geol-mineral.nauk, otv.red.; SIMKINA, G.S.,
tekhn.red.

[Nature of stability and deformation characteristics of clay rocks
in connection with conditions determining their formation and
wetting] Priroda prochnosti i deformatsionnye osobennosti gli-
nistykh porod v zavisimosti ot uslovii formirovaniia i uvlazh-
neniia. Moskva, Izd-vo Akad.nauk SSSR, 1961. 152 p. (Akademiia
nauk SSSR. Laboratoriia gidrogeologicheskikh problem. Trudy,
vol.29).   (MIRA 14:6)

(Clay)

GOR'KOVA, I.M.

Quick and thixotropic properties of disperse sedimentary rocks.
Koll.zhur. 23 no.1:12-19 Ja-F '61.   (MIRA 17:2)

1. Laboratoriya gidregeologicheskikh problem AN SSSR, Moskva.

KOTLOV, F.V., kand. geol.-min. nauk, otv. red.; BEZUK, V.M., doktor
geol.-miner. nauk, red.; BELYY, L.D., doktor geol.-miner. nauk,
red.; BYKOVA, V.S., kand. geol.-miner. nauk, red.; GOR'KOVA,
I.M., doktor geol.-miner. nauk, red.; GUREYEV, A.M., red.;
YEMEL'YANOVA, Ye.P., kand. geol.-miner. nauk, red.; KOLOMENSKIY,
N.V., doktor geol.-miner. nauk, prof., red.; MAKEYEV, Z.A.,
doktor geol.-miner. nauk, red.; POL'SHIN, D.Ye., kand. tekhn.
nauk, red.; POPOV, I.V., doktor geol.-miner.-nauk, prof., red.;
PRIKLONSKIY, V.A., prof., red. [deceased]; RUBINSHTEYN, A.L.,
doktor geol.-miner. nauk, prof., red.; SERGEYEV, Ye.M., doktor
geol.-miner. nauk, prof., red.; FADEYEV, P.I., kand. geol.-
miner. nauk, red.; ZOLOTOV, P.F., red. izd-va; ASTAF'YEVA, G.A.,
tekhn. red.

[Materials on the engineering and geological properties of rocks
and methods for their study] Inzhenerno-geologicheskie svoistva
gornykh porod i metody ikh izucheniia; materialy. Moskva, Izd-
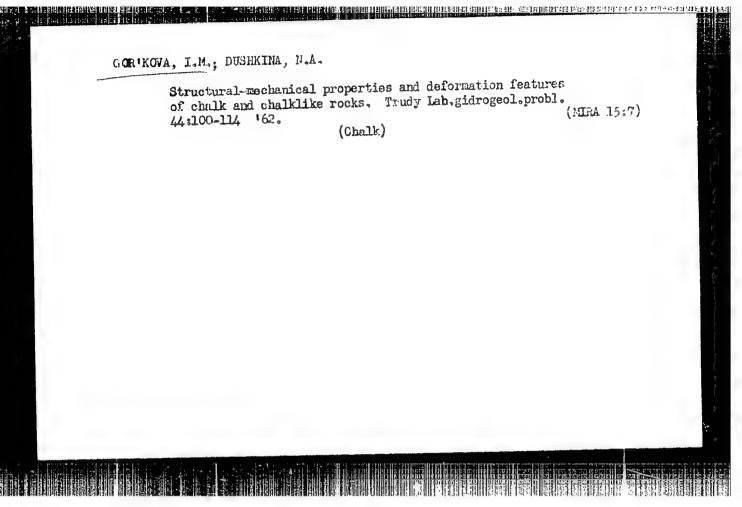vo Akad. nauk SSSR, 1962.   362 p.   (MIRA 15:5)

1. Soveshchaniye po inzhenerno-geologicheskim svoistvam gornykh
porod i metodam ikh izucheniya, Moscow, 1957. 2. Chlen-korrespon-
dent Akademii nauk SSSR (for Priklonskiy). 3. Moskovskiy gosudar-
stvennyy universitet (for Sergeyev). 4. Laboratoriya gidrogeolo-
gicheskikh problem Akademii nauk SSSR (for Kotlov). 5. Kafedra
"Osnovaniya i fundamenty" Moskovskogo instituta inzhenerov vodnogo
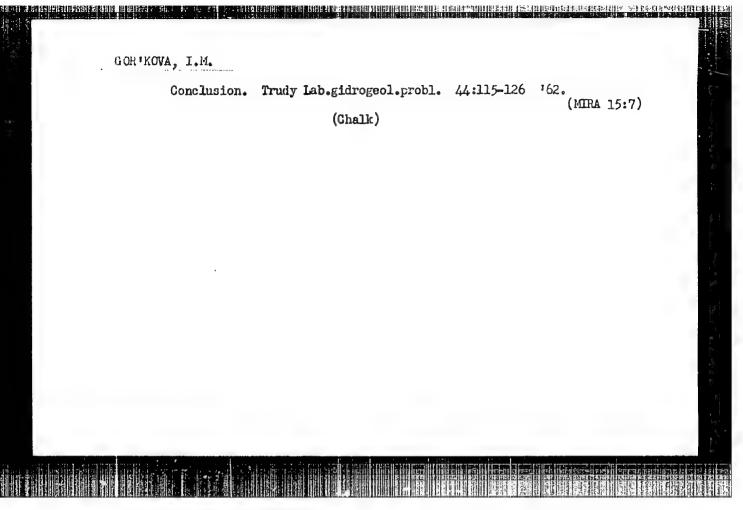khozyaystva (Rubinshteyn).
              (Rocks)   (Engineering geology)

GOR'KOVA, I.M.

Current state of the study of chalk and chalklike rocks from
the point of view of engineering geology. Trudy Lab.gidrogeol.
probl. 44:5-15 '62.   (MIRA 15:7)

(Chalk)

GOR'KOVA, I.M.

Water-chalk relationship, sagging, relative consolidation, and
consistency of chalk and chalklike rocks and the dependency
of their ultimate strength on the porosity and moisture. Trudy
Lab.gidrogeol.probl. 44:51-63 '62.   (MIRA 15:7)
                              (Chalk)

GOR'KOVA, I.M.

Plastic strength, "sensitivity," thixotropy, and flowage of chalk and chalklike rocks. Trudy Lab.gidrogeol.probl. 44:64-75 '62.   (MIRA 15:7)

(Chalk)

GOR'KOVA, I.M.; DUSHKINA, N.A.

Structural-mechanical properties and deformation features of chalk and chalklike rocks. Trudy Lab. gidrogeol. probl. 44:100-114 '62. (MIRA 15:7)

(Chalk)

GOR'KOVA, I.M.

       Conclusion. Trudy Lab.gidrogeol.probl. 44:115-126 '62.

                                             (MIRA 15:7)

                  (Chalk)

GOR'KOVA, Irina Mikhaylovna

[Structural and deformation characteristics of sedimen ary
rocks of various degrees of compaction and lithification]
Strukturnye i deformatsionnye osobennosti osadochnykh po-
rod razlichnoi stepeni uplotneniia i litifikatsii. Moskva,
Nauka, 1965, 126 p.   (MIRA 18:5)

ACC NR: AM7003447   Monograph   UR/

Gor'kova, Irina Mikhaylovna

Theoretical principles governing the evaluation of sedimentary rock for purposes
of geology engineering (Teoreticheskiye osnovy otsenki osadochnykh poros v
inzhenerno-geologicheskikh tselyakh) Moscow, Izd-vo "Nauka", 66. 0135 p.
illus., biblio., (At head of title: Akademiya Nauk SSSR. Gosstroy SSSR.
Proizvodstvennyy i nauchno-issledovatel'skiy institut po inzhenernym
izyskaniyam v stroitel'stve) Errata slip inserted. 2,000 copies printed

TOPIC TAGS: geologic survey, geology, geologic research facility, soil, civil
engineering, chemical mechanics, lithology

PURPOSE AND COVERAGE: The book analyzes basic regularities established by
the author, for the behavior of sedimentary formations as a function of their
composition, state, and the character of their structural bonds. A classifica-
tion of sedimentary rock and a set of classification characteristics are present-
ed for evaluation for engineering geology purposes. The book is of interest to
engineering geologists, specialists in the geology of sedimentary formations,
lithology, mining, soil mechanics, soil science, building engineers and
specialists using sedimentary rock as materials.

Card 1/2   UDC: 552.5:624.131.1.001.11

ACC NR: AM7003447

TABLE OF CONTENT [abridged]:

Card 2/2   SUB CODE: 08/ SUBM DATE: 19Jul66/ORIG REF: 125/OTH REF: 003

MAYEVSKIY, N.M.; AVDEYEVA, I.A.; ROMANENKO, Ye.A.; URAZOVA, A.P.; BONDAREVA, A.S.;
    TIMOFEYEVSKAYA, Ye.A.; MAZAYEVA, V.G.; GOR'KOVA, N.P.; TAYSHINA, N.M.

    Aurantin and its effect on experimental tumors. Antibiotiki
    4 no.4:43-46 Jl-Ag '59.   (MIRA 12:11)

    1. Laboratoriya eksperimental'noy bioterapii (zav. - chlen-
    korrespondent AMN SSSR prof.M.M.Mayevskiy) Institute eksperimental'-
    noy patologii i terapii raka AMN SSSR.
                    (ANTINEOPLASTIC AGENTS pharmacol)
                    (ANTIBIOTICS pharmacol)

GOR'KOVA, S.A.; DUNAYEV, V.G.; MATROSOVA, V.R.; NAUMOVA, Ye.K.; STUDENTSOVA,
I.A.

Comparative characteristics of the biological and antimicrobial
effect of armin and its chlorinated analogue. Nauch. trudy Kaz.
gos. med. inst. 14:151-152 '64.   (MIRA 18:9)

1. Kafedra mikrobiologii (zav. - dotsent T.Kh.Karimova),
kafedra farmakologii (zav. - dotsent T.V.Raspopova) Kazan-
skogo meditsinskogo instituto i kafedra organicheskoy khimii
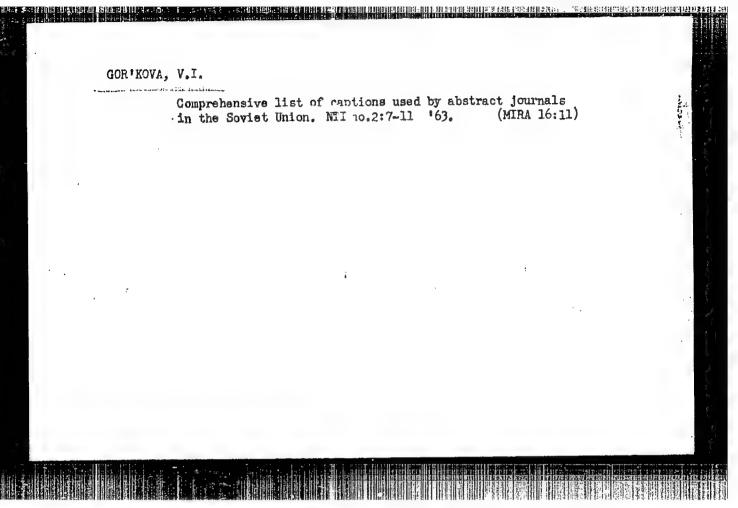(zav. - prof. A.1.Razumov) Kazanskogo khimiko-tekhnologicheskogo
instituta.

GOR'KOVA, V. I.

"Designing Radiation Drying Installations."   Sub 11 Apr 47, Moscow
Order of Lenin Power Engineering Inst imeni V. M. Molotov

Dissertations presented for degrees in science and engineering in
Moscow in 1947

SO: Sum No. 457, 18 Apr 55

GOR'KOVA, V.I.

Comprehensive list of captions used by abstract journals
·in the Soviet Union. NTI no.2:7-11 '63.   (MIRA 16:11)

GOROKHOV, P.K., kand.tekhn. nauk; GOR-KOVA, V.I., kand. tekhn. nauk;
    PAVLOV, L.I., kand. tekhn. nauk; SERGEYEV, N P., TAREYEV,
    B.M., doktor tekhn. nauk, prof.; SMOTKIN, I.S.; KURBATOVA, N.S.
    kand. tekhn. nauk, prof., red.; CHESKIS, Z.B., red.

[French-Russian electrical engineering dictionary] Frantsuzsko-
russkii elektrotekhnicheskii slovar'. Pod red. N.S.Kurbatovoi
i B.M.Tareeva. Moskva, Sovetskaia entsiklopediia, 1965. 720 p.
                                           (MIRA 18:12)

TALIPOV, Sh.T.; ABDULLAYEVA, Kh.S.; GOR'KOVAYA, G.P.

Photometric determination of small amounts of indium with
bromopyrogallol red.   Uzb.khim.zhur. 6 no.5:16-19 '62.
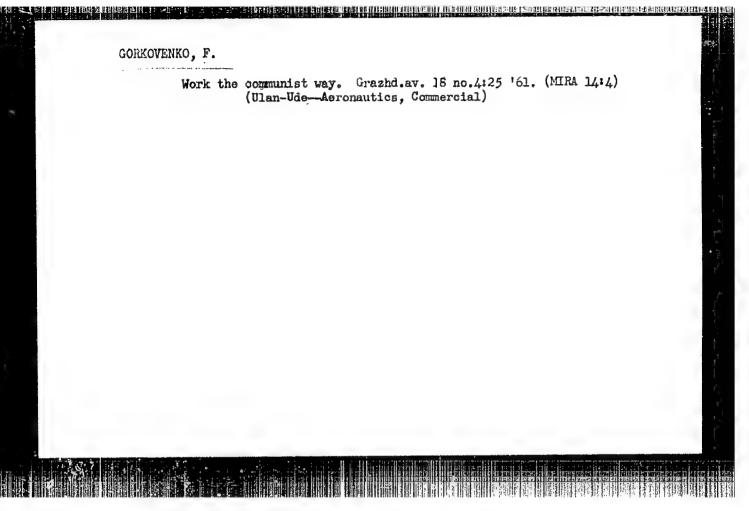(MIRA 15:12)

1. Tashkentskiy gosudarstvennyy universitet imeni V.I.Lenina.
(Indium—Analysis)   (Pyrogallol red)

TALIPOV, Sh.T.; DZHIYANBAYEVA, R.Kh.; ASAMOV, K.A.; GOR'KOVAYA, G.P.

Photocolorimetric determination of niobium. Uzb. khim. zhur. 7
no.4:18-22 '63. (MIRA 16:10)

1. Tashkentskiy gosudarstvennyy universitet imeni V.I. Lenina.

GORKOVENKO, F.

        Work the communist way. Grazhd.av. 18 no.4:25 '61. (MIRA 14:4)
           (Ulan-Ude—Aeronautics, Commercial)

GORKOVENKO, N. YE.

GORKOVENKO, N.Ye.; LENIVOV, A.D.

Automatizing individual units of a concrete plant. Avt. dor. 21 no,1:
29 Ja '58.   (MIRA 11:1)
     (Conveying machinery)   (Automatic control)   (Water supply)

TSUKERVANIK,I.P.; GOR'KOVETS,T.G.

Acetylene condensation with chlorobenzene. Zhur.ob.khim. 25
no.5:919-921 My'55.   (MLRA 8:10)

1. Institut khimii Akademii nauk Uzbekskoy SSR
                    (Acetylene) (Benzene)

GOR'KOVETS,   V. G.

USSR/Geological Prospecting
    Iron Ores

1948

"Iron Ore Deposits of Central Asia," Kh. M. Abdullayev, A. B. Batalov, V. G. Gor'kovets,
2½ pp

"Sovet Geolog" No 29

Describes Abial deposits, located 17 km from Abail RR Station; Susingensk magnetite
deposits, located around upper reaches of Ugam River; Turangly deposits, some 28 km
from "Dal'verzin" Farm located near Begovata.

PA 69T42

15-57-4-4468

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 4,
                    p 64 (USSR)

AUTHORS: Abdullayev, Kh. M., Gor'kovoy, O. P., Shmulevich, G. D.

TITLE: Composite Dikes in the Kuraminskiy Khrebet (Range)
              Uzbekskaya SSR /O slozhnopostroyennykh daykakh Kuramin-
              skogo khrebta (UzSSR)/

PERIODICAL: Zap. Uzbekist. otd. Vses. mineralog. o-va, 1955, Nr 8,
              pp 221-229.

ABSTRACT: The author makes a detailed investigation of composite
              dikes in the basins of the Aktash and Chadak Rivers.
              The dikes cutting across the bed of the Mayli-Katan-
              Say, have a perfectly symmetrical structure.   The
              central part is composed of granite porphyry, the outer
              zone of diabase porphyrite.   The contact between the
              zones is locally sharp (only on the upper surface); at
              other places it is transitional.   A thick (10 m to 12 m)
Card 1/2   composite dike, passing along the left and right borders

15-57-4-4468

Composite Dikes in the Kuraminskiy Khrebet (Cont.)

of Chadak-Say, also has a symmetrical structure and contains five
zones: a central granite porphyry and lateral granophyre and diabase
zones. Other composite dikes do not have the symmetrical structure.
Study has shown no regularity in the variation in thickness of the
different zones in a single dike. The zones clearly must have been
produced from a single intrusion of magma and subsequent differenti-
ation. The composite dikes formed by intrusion of basic magma along
the contacts of earlier formed granite porphyry dikes. The slight
thickness of these latter permitted strong heating during intrusion
of the basic magma. As a consequence, the contacts between the
granite porphyries and the diabase porphyrites are transitional,
especially on the lower contact. In other examples the age relations
between the rocks forming the different zones remains obscure, but
the method of formation of these dikes is apparently the same.
Card 2/2   O. V. B.

GOR'KOVOY, O.P.

ABDULLAYEV, Kh.M., akademik; ADELUNG, A.S.; VORONICH, V.A.; GOR'KOVOY, O.P.;
KALABINA, M.G.; MALAKHOV, A.A.; MATSOKINA, T.M.; MIRKHODZHAYEV, I.M.;
RADZHABOV, P.Sh.; TUMASHEVSKAYA, E.S., red.izd-va; GOR'KOVAYA, Z.P.,
tekhn.red.

[Principal features of magmatism and metallogeny in the Chatkal-
Kurama mountain ranges] Osnovnye cherty magmatizma i metallogenii
Chatkalo-Kuraminskikh gor. Pod obshchei red. Kh.M.Abdullaeva.
Tashkent, Izd-vo Akad.nauk Uzbekskoi SSR, 1958. 288 p. (MIRA 11:7)

1. Akademiya nauk Uzbekskoy SSR (for Abdullayev)
        (Chatkal Mountain Range--Mineralogy)
        (Kurama Mountain Range--Mineralogy)